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DECEMBER 19, 2001

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CHIRON CORPORATION  
ANNE S. DOLLARD  
PO BOX 8097  
MAIL STOP R-3  
EMERYVILLE, CA 94662

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)



\*101877693A\*

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RECORDATION DATE: 10/09/2001

REEL/FRAME: 012246/0552  
NUMBER OF PAGES: 14

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:  
POLO, JOHN

DOC DATE: 11/02/2000

ASSIGNEE:  
GREER, CATHERINE

DOC DATE: 11/02/2000

ASSIGNEE:  
CALDERON-CACIA, MARIA

DOC DATE: 06/28/2001

ASSIGNEE:  
VEGA, DAN DEL LA, JR.

DOC DATE: 11/07/2000

ASSIGNEE:  
DUBENSKY, THOMAS, JR.

DOC DATE: 09/04/2001

ASSIGNEE:  
BELL, BARBARA

DOC DATE: 09/30/2001

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12/27/01. on  
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012246/0552 PAGE 2

ASSIGNEE:

CHIRON CORPORATION  
4560 HORTON STREET  
MAIL STOP R-3  
EMERYVILLE, CALIFORNIA 94608

SERIAL NUMBER: 60208376  
PATENT NUMBER:

FILING DATE: 05/31/2000  
ISSUE DATE:

MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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10-18-2001

Form PTO-1595  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)



101877693  
PATENTS

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
John Polo, Catherine Greer,  
Maria Calderon-Cacia, Dan del la Vega,  
Jr., Thomas Dubensky, Jr., and  
Barbara Belli

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

- Assignment       Merger  
 Security Agreement       Change of Name  
 Other \_\_\_\_\_

Execution Date: 11/02/00, 11/07/00, 09/04/01  
06/28/01, and 09/30/01

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

60/208,376

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Chiron Corporation

Internal Address: Mail Stop R-3

Street Address: PO Box 8097

City: Emeryville State: CA Zip: 94662

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account  
any deficiencies

8. Deposit account number: 03-1664

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Anne S. Dollard, Reg. No. 43,925

Name of Person Signing

Signature

October 4, 2001

Date

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PATENT

Atty. Docket No. 15900.001

**ASSIGNMENT**

WHEREAS, We, John Polo, Catherine Greer, Maria Calderon-Cacia, Dan Del La Vega, Jr., Thomas Dubensky, Jr., and Barbara Belli, hereinafter referred to as **ASSIGNORS**, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:    **METHOD FOR THE PURIFICATION OF ALPHAVIRUS REPLICON PARTICLES**

Date(s) of Execution: 11/07/00

Filing Date: May 31, 2000

Serial No:            60/208,376

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

*NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:* Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

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PATENT  
Atty. Docket No. 15900.001

**ASSIGNORS** also agree that the U.S. application number may be entered above by **ASSIGNEE** or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

**ASSIGNORS** further agree that they will, without charge to said **ASSIGNEE**, but at **ASSIGNEE'S** expense, cooperate with **ASSIGNEE** in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as **ASSIGNEE** lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said **ASSIGNEE**, or **ASSIGNEE'S** successors and assigns.

*IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.*

DATE \_\_\_\_\_

John Polo

DATE \_\_\_\_\_

Catherine Greer

DATE \_\_\_\_\_

Maria Calderon-Cacia

DATE 1107100

Dan Del La Vega, Jr.

Denice Mittelstaedt 11/7/100 (Denice Mittelstaedt)  
Witness Signature

DATE \_\_\_\_\_

Thomas Dubensky, Jr.

Witness Signature

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Atty. Docket No. 15900.001

DATE \_\_\_\_\_

Barbara Belli

\_\_\_\_\_  
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Serial No:            60/208,376

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**ASSIGNORS** also agree that the U.S. application number may be entered above by **ASSIGNEE** or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

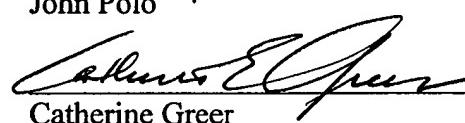
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*IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.*

DATE 11/2/00

  
John Polo

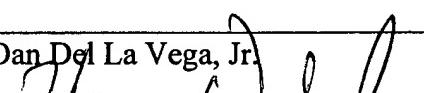
DATE 11/2/00

  
Catherine Greer

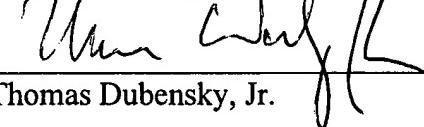
DATE \_\_\_\_\_

Maria Calderon-Cacia

DATE \_\_\_\_\_

  
Dan Del La Vega, Jr.

DATE 9-06-01

  
Thomas Dubensky, Jr.

DATE \_\_\_\_\_

Barbara Belli

\_\_\_\_\_  
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# **CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Alameda

On November 2, 2000 before me, Elissa M. Nash -----

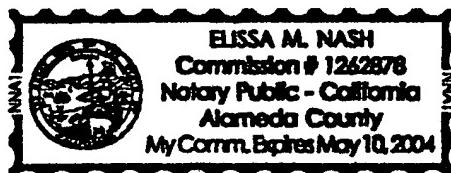
**Date** \_\_\_\_\_ **Name and Title of Officer (e.g., "Jane Doe, Notary Public")** \_\_\_\_\_

personally appeared John Polo and Catherine Greer

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

The Greer -----  
New York City

personally known to me - OR -  proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument



WITNESS my hand and official seal.

***OPTIONAL***

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**Description of Attached Document**

Title or Type of Document: Assignment for Case No. 15900.001

**Document Date:** \_\_\_\_\_ **Number of Pages:** \_\_\_\_\_

Signer(s) Other Than Named Above: Maria Calderon-Cacia, Dan Del La Vega, Jr.,  
Thomas Dubensky, Jr., and Barbara Belli

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- |                                                                             |                                                                     |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> Individual                                         |                                                                     |
| <input type="checkbox"/> Corporate Officer                                  |                                                                     |
| Title(s): _____                                                             |                                                                     |
| <input type="checkbox"/> Partner                                            | — <input type="checkbox"/> Limited <input type="checkbox"/> General |
| <input type="checkbox"/> Attorney-in-Fact                                   |                                                                     |
| <input type="checkbox"/> Trustee                                            |                                                                     |
| <input type="checkbox"/> Guardian or Conservator                            |                                                                     |
| <input type="checkbox"/> Other:                                             | _____                                                               |
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**Signer Is Representing:**

**RIGHT THUMBRINT  
OF SIGNER**

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- Individual  
 Corporate Officer  
Title(s): \_\_\_\_\_

Partner —  Limited  General  
 Attorney-in-Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_

**Signer Is Representing:**

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**RIGHT THUMBPRINT  
OF SIGNER**  
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## CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Contra Costa

} ss.

On Sept. 4, 2001, before me, Elissa M. Nash,

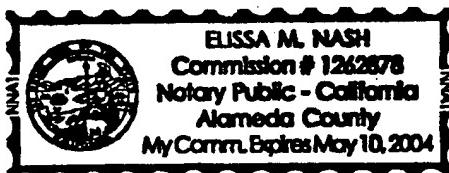
Date

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Thomas Dubensky, Jr.,

Name(s) of Signer(s)

- personally known to me  
 proved to me on the basis of satisfactory evidence



Place Notary Seal Above

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

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Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

#### Description of Attached Document

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Signer(s) Other Than Named Above: \_\_\_\_\_

#### Capacity(ies) Claimed by Signer

Signer's Name: \_\_\_\_\_

- Individual  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Attorney in Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_

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PATENT

Atty. Docket No. 15900.001

**ASSIGNMENT**

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Title of Invention: METHOD FOR THE PURIFICATION OF ALPHAVIRUS REPLICON PARTICLES

Date(s) of Execution: 06/28/01

Filing Date: May 31, 2000

Serial No: 60/208,376

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

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*IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.*

DATE \_\_\_\_\_

John Polo

DATE \_\_\_\_\_

Catherine Greer

DATE 6/28/01

Maria Calderon-Cacia  
Maria Calderon-Cacia

DATE \_\_\_\_\_

Dan Del La Vega, Jr.

DATE \_\_\_\_\_

Thomas Dubensky, Jr.

DATE \_\_\_\_\_

Barbara Belli  
Barbara Belli

David Harriman  
Witness Signature

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## CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Alameda

} ss.

On June 28, 2001, before me, Elissa M. Nash

Date

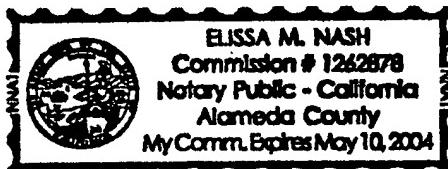
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Maria Calderon-Cacia

Name(s) of Signer(s)

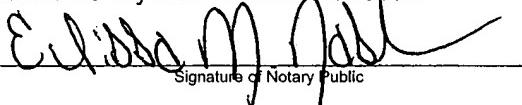
- personally known to me  
 proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.



Place Notary Seal Above

WITNESS my hand and official seal.

  
Signature of Notary Public

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 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Attorney in Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_

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OF SIGNER

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Signer Is Representing: \_\_\_\_\_

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Thomas W. Dubensky, Jr.

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